

INFORMATION DISCLOSURE CITATION

Attorney Docket No.: GC532-C1	Serial No.: Unassigned 101665,689
Applicant: David A Estell	
Filing Date: Filed Herewith	Group: Unassigned 1656
Page 1 of 3	Date of this Submission: September 18, 2003

US PATENT DOCUMENTS

Examiner's	Document				Sub-	Filing
Initial	Number	Date	Name	Class	Class	Date
<i>WJM</i>	*4,404,128	9/13/83	Anderson	252	546	5/29/81
	*5,612,055	3/18/97	Bedford et al.	424	442	8/16/95
	*5,185,258	2/9/93	Caldwell et al.	435	220	10/19/90
	*5,204,015	4/20/93	Caldwell et al.	252	174.12	10/9/92
	*5,182,204	1/26/93	Estell et al.	435	222	12/11/91
	*5,155,033	10/13/92	Estell et al.	435	221	1/6/89
	*4,760,025	7/26/88	Estell et al.	435	222	5/29/84
	*5,264,366	11/23/93	Ferrari et al.	435	252.31	11/25/91
	*5,314,692	5/24/94	Haarasilta et al.	424	94.2	5/2/91
	*4,261,868	4/14/81	Hora et al.	252	529	8/879
	*5,147,642	9/15/92	Lotz et al.	424	94.61	12/5/89
↓	*4,533,359	8/6/85	Kondo et al.	8	128 R	11/5/82
<i>WJM</i>	*4,914,031	4/3/90	Zukowski et al.	435	222	4/10/87

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Examiner's	Document				Sub-	Translation
Initials	Number	Date	Country	Class	Class	Yes/No
<i>WJM</i>	*0 328 229 B1	1/19/94	EP	—	—	
	*0 134 267	8/2/89	EP	—	—	
	*WO 89/06279	7/13/89	PCT	—	—	
	*WO 92/10755	6/25/92	PCT	—	—	
	*WO 94/10191	5/11/94	PCT	—	—	
	*WO 96/17929	6/13/96	PCT	—	—	
↓	*WO 96/40791	12/19/96	PCT	—	—	
<i>WJM</i>	*WO 97/30148	8/21/97	PCT	—	—	

Examiner <i>Matthew W. Monroe</i>	Date Considered 4 November 2003
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. PTO-1449	

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WWM	*WO 93 11794A	6/24/93	PCT	—	—	
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WWM	*Barr et al, "cDNA and gene structure for a human subtilisin -like protease with cleavage specificity for paired basic amino acid residues," <i>DNA and Cell Biology</i> , (1991 Jun) 10 (5) pp. 319-28
	*Drenth, Jan et al., « Subtilisin Novo—The Three-Dimensional Structure and Its Comparison with Subtilisin BPN, » <i>Eur. J. Biochem.</i> Vol. 26, pp. 177-181, 1972.
	*Kiefer et al., "Identification of a second human subtilisin -like protease gene in the fes/fps region of chromosome 15, " <i>DNA and CELL biology</i> , (1991 DEC) 10 (10) pp. 757-69
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	*Padlan, E. A., "A possible Procedure for Reducing the Immunogenicity of Antibody variable domains while preserving their ligand-binding properties," <i>Molecular Immunology</i> , V. 28, No. 4/05, 1 April 1991, pp. 489-498
	*Philipp, M., et al., « Kinetics of subtilisin and thiolsubtilisin, » <i>Mol. Cell. Biochem.</i> , vol. 51, pp. 5-32, 1983.
	*Polgar, Laszlo et al., « Peptic Peptide of Thiolsubtilisin—Analytical Evidence for the Chemical Transformation of the Essential Serine-221 to Cysteine-221, » <i>Biochimica et Biophysica Acta</i> , vol. 667, pp. 351-354, 1981.
	*Poulos, Thomas L., et al., « Polypeptide Halomethyl Ketones Bind to Serine Proteases as Analogs of the Tetrahedral Intermediate, » <i>The Journal of Biological Chemistry</i> , vol. 251, pp. 1097-1103, 1976.
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	*Robertus, Jon D. et al., « An X-ray Crystallographic Study of the Binding of Peptide Chloromethyl ketone Inhibitors to Subtilisin BPN » <i>Biochemistry</i> , vol. 11, no. 13, pp. 2439-2449, 1972.
↓	*Siezen et al, "Homology modelling and protein engineering strategy of subtilases, the family of subtilisin-like serine proteinases," <i>Protein Engineering</i> , Vol. 4, No. 7, 1 January 1991, pp. 719-737
WWM	*Smeekens, Steven P. et al., « Identification of a Human Insulinoma cDNA Encoding a Novel Mammalian Protein Structurally Related to the Yeast Dibasic Processing Protease Kex2, » <i>The Journal of Biological Chemistry</i> , vol. 265, no. 6, pp. 2997-3000, 1990.

Examiner	Date Considered
WWM	4 November 2005

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OTHER DOCUMENTS

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<i>Wiemer</i>	*Stauffer, C.E., et al., « The Effect on Subtilisian Activity of Oxidizing a Methionine Residue, » The Journal of Biological Chemistry, vol. 244, no. 19, pp. 5333-5338, 1969.
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<i>Wiemer</i>	*Svendsen, I.B., « Chemical Modifications of the Subtilisins with Special Reference to the Binding of Large Substrates. A Review, » Carlsberg Res. Comm., vol. 41, no. 5, pp. 237-291, 1976.
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<i>Wiemer</i>	*Wright, Christine et al., « Structure of Subtilisin BPN' at 2.5 Å Resolution, » Nature, vol. 221, pp. 235-242, 1969.
	*Copy of PCT Search Report.
Examiner	Date Considered
<i>William Wiemer</i>	<i>4 November 2005</i>